

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)
2. (currently amended) The refrigerator of ~~claim 1~~ claim 4, wherein the cylinder is disposed in a chamber of the door, the chamber being accessible from inside or from outside of the door.
3. (canceled)
4. (currently amended) ~~The refrigerator of claim 3, wherein the water container is provided with~~ A refrigerator comprising:
 - a door having a water dispenser within a compartment present on an outside of the door;
 - a water container of given capacity;
 - a cylinder containing a carbonating gas, said cylinder being in selective communication with the water container via a connection, wherein the water dispenser is connected to the water container to selectively dispense still water from the water container through the water dispenser and water in the water container is adapted to be carbonated via the connection to the cylinder containing the carbonating gas to selectively dispense carbonated water through the water dispenser, and wherein the cylinder and the water container are connected together via a solenoid valve; and
 - a water level sensor which, when a given water level has been reached within the water container, activates a signal which indicates to the user that the water can now be carbonated by operating the solenoid valve.

5. (currently amended) The refrigerator of ~~claim 1~~ claim 4, wherein the water container is adapted to be connected to a domestic water supply or to a cooled source of water via a controlled valve.

6. (canceled)

7. (currently amended) The refrigerator of ~~claim 3~~ claim 4, wherein the connection between the cylinder and water container further comprises, upstream of the solenoid valve, a needle valve cooperating with the cylinder.

8. (canceled)

9. (currently amended) ~~The refrigerator of claim 8,~~ A refrigerator comprising:
a door having a water dispenser within a compartment present on an outside of the door;
a water container of given capacity; and
a cylinder containing a carbonating gas in selective communication with the water container via a connection, wherein the water dispenser is connected to the water container to selectively dispense still water from the water container through the water dispenser and the water in the water container is adapted to be carbonated via the connection to the cylinder containing the carbonating gas to selectively dispense carbonated water through the water dispenser, wherein the water container is provided with a safety valve to prevent excess pressure and the safety valve operates on an electrical switch to interrupt, at a predetermined carbonation pressure, the connection between the cylinder and the water container, and wherein the switch activates an indicator advising the user that the water is carbonated and ready to be drawn off.

10. (currently amended) The refrigerator of ~~claim 1~~ claim 9, wherein an indicator lamp is provided to signify when the cylinder is empty.

11. (canceled)

12. (currently amended) The refrigerator of ~~claim 11~~ claim 9, wherein the cylinder is disposed in a chamber of the door, the chamber being accessible from inside or from outside of the door.

13. (canceled)

14. (currently amended) ~~The refrigerator of claim 13, wherein the water container is provided with~~ A refrigerator comprising:

a door having a water dispenser within a compartment present on an outside of the door;

a water container of given capacity, wherein the water dispenser is connected to the water container to selectively dispense still water from the water container through the water dispenser;

a cylinder containing a carbonating gas in selective communication with the water container via a connection;

means for selectively carbonating water in the water container, via the connection to the cylinder containing the carbonating gas, to dispense carbonated water through the water dispenser, wherein the means for selectively carbonating water in the water container includes a solenoid valve arranged along the connection; and

a water level sensor which, when a given water level has been reached within the water container, activates a signal which indicates to the user that the water can now be carbonated.

15. (currently amended) The refrigerator of ~~claim 11~~ claim 14, wherein the water container is adapted to be connected to a domestic water supply or to a cooled source of water via a controlled valve.

16. (canceled)

17. (currently amended) The refrigerator of ~~claim 13~~ claim 14, wherein the connection between the cylinder and water container further comprises, upstream of the solenoid valve, a needle valve cooperating with the cylinder.

18. (canceled)

19. (currently amended) ~~The refrigerator of claim 18,~~ A refrigerator comprising:
a door having a water dispenser within a compartment present on an outside of the door;
a water container of given capacity, wherein the water dispenser is connected to the water container to selectively dispense still water from the water container through the water dispenser;
a cylinder containing a carbonating gas in selective communication with the water container via a connection; and
means for selectively carbonating water in the water container, via the connection to the cylinder containing the carbonating gas, to dispense carbonated water through the water dispenser, wherein the water container is provided with a safety valve to prevent excess pressure and the safety valve operates on an electrical switch to interrupt, at a predetermined carbonation pressure, the connection between the cylinder and the water container, and wherein the switch activates an indicator advising the user that the water is carbonated and ready to be drawn off.

20. (currently amended) The refrigerator of ~~claim 14~~ claim 19, wherein an indicator lamp is provided to signify when the cylinder is empty.